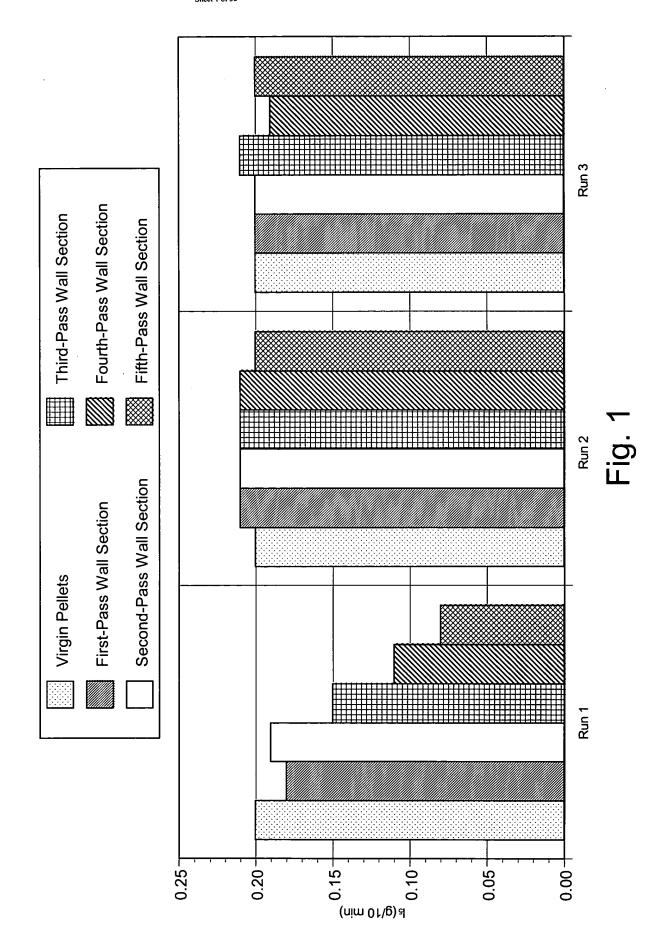
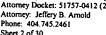
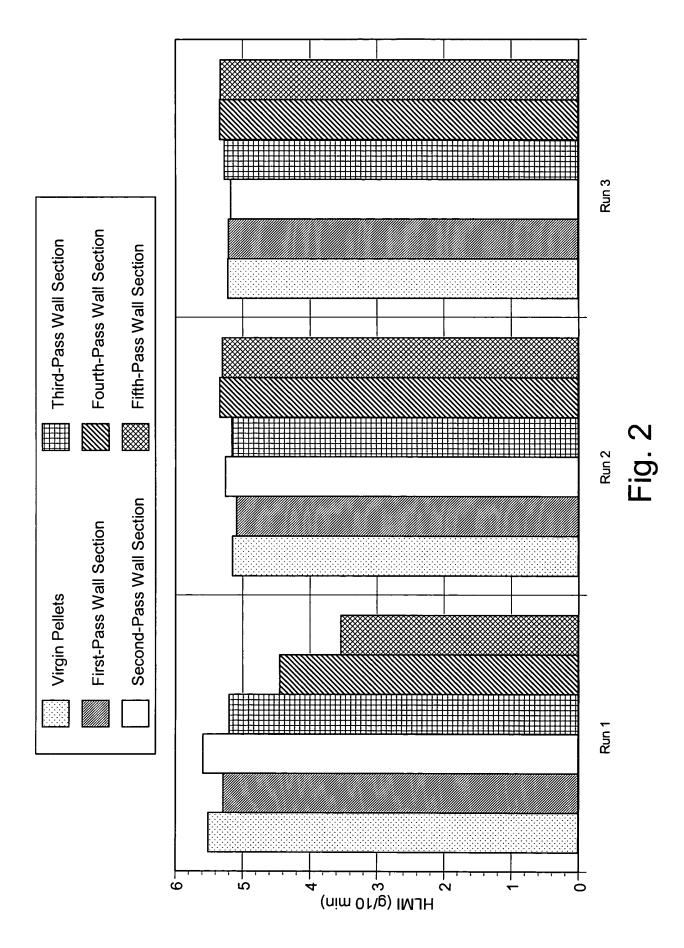
Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John Rathman
Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attorney Docket: 51757-0412 (281684)
Attorney: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 1 of 30

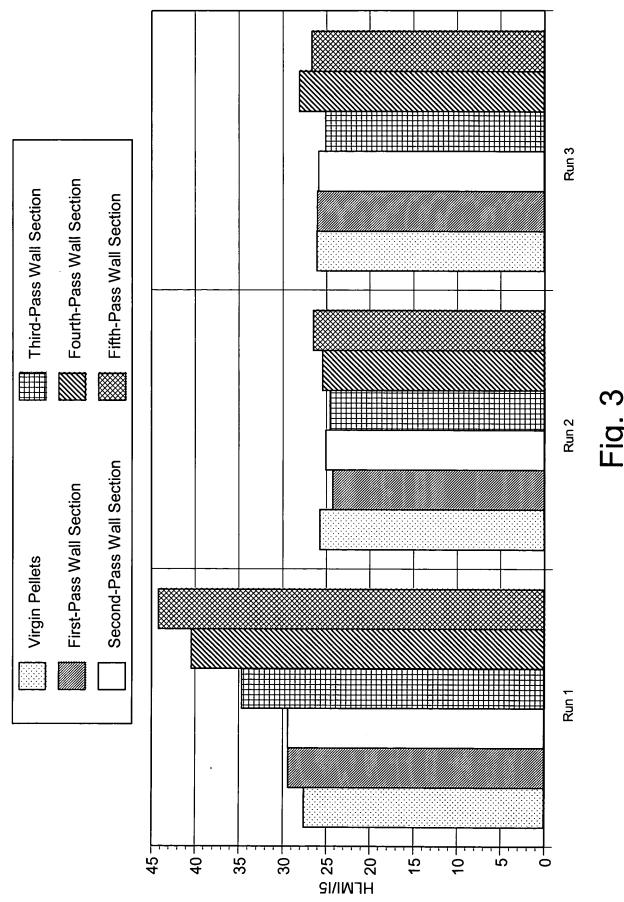


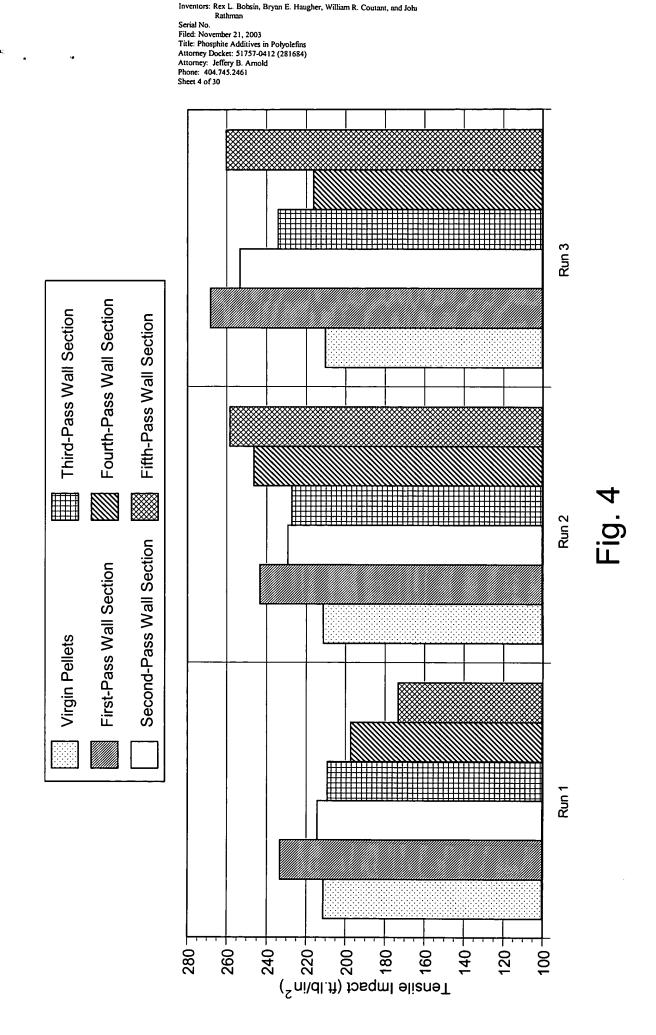
Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John Rathman Rathman
Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attorney Docket: 51757-0412 (281684)
Attorney: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 2 of 30

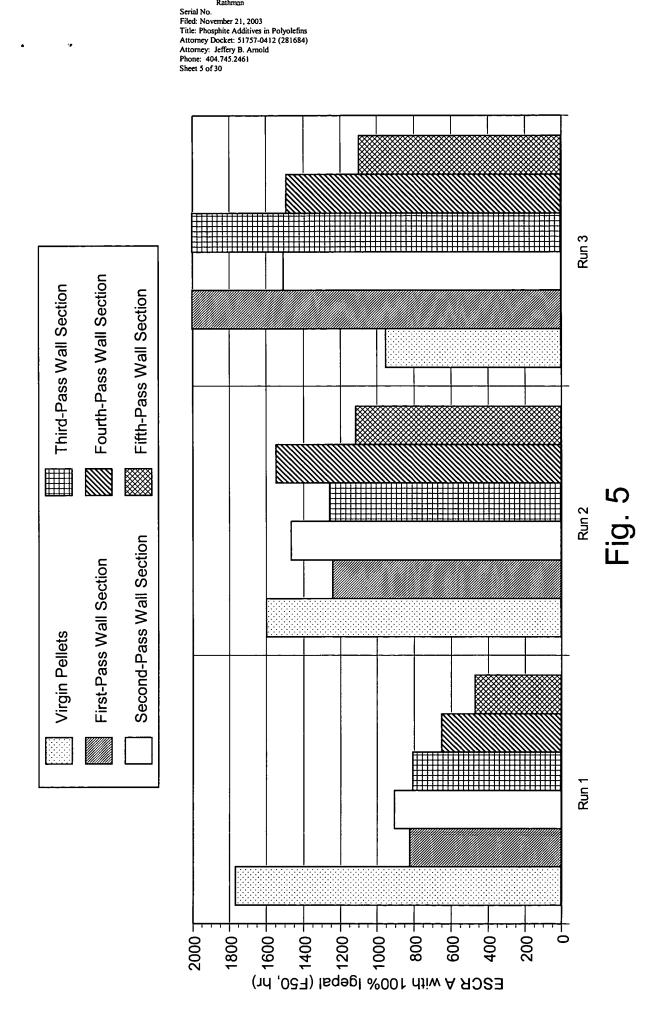




Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and Joh Rathman Serial No. Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attorney Docket: 51757-0412 (281684)
Attorney: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 3 of 30 Fifth-Pass Wall Section Fig. 3 Run 2 Second-Pass Wall Section







Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John Rathman

Serial No.
Filed: November 21, 2003
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attorney Docket: 51757-0412 (281684)
Attorney: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 6 of 30 Fourth-Pass Wall Section Third-Pass Wall Section Fifth-Pass Wall Section Fig. 6 Run 2 Second-Pass Wall Section First-Pass Wall Section Virgin Pellets Run 1 20-200-ESCR B with 10% lgepal (F50, hr) 180

Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and Joh

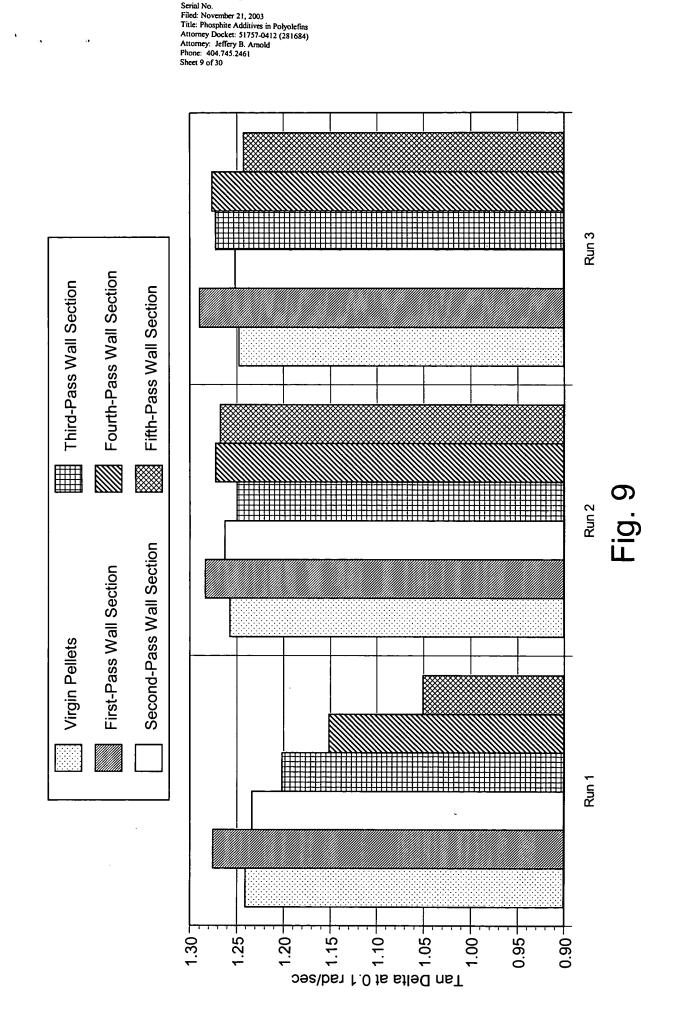
Serial No.

Rathman
Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attorney Docket: 51757-0412 (281684)
Attorney: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 7 of 30 Fourth-Pass Wall Section Third-Pass Wall Section Fifth-Pass Wall Section Run 2 Fig. 7 Second-Pass Wall Section First-Pass Wall Section Virgin Pellets Crossover Modulus (dynes/cm ², x10000)

Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John Rathman

Rathman
Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attomey Docket: 51757-0412 (281684)
Attomey. Jeffery B. Arnold
Phone: 404.745.2461
Sheet 8 of 30 Fourth-Pass Wall Section Third-Pass Wall Section Fifth-Pass Wall Section Run 2 Fig. 8 Second-Pass Wall Section First-Pass Wall Section Virgin Pellets 0.8 Crossover Frequency (rad/sec) 0.7

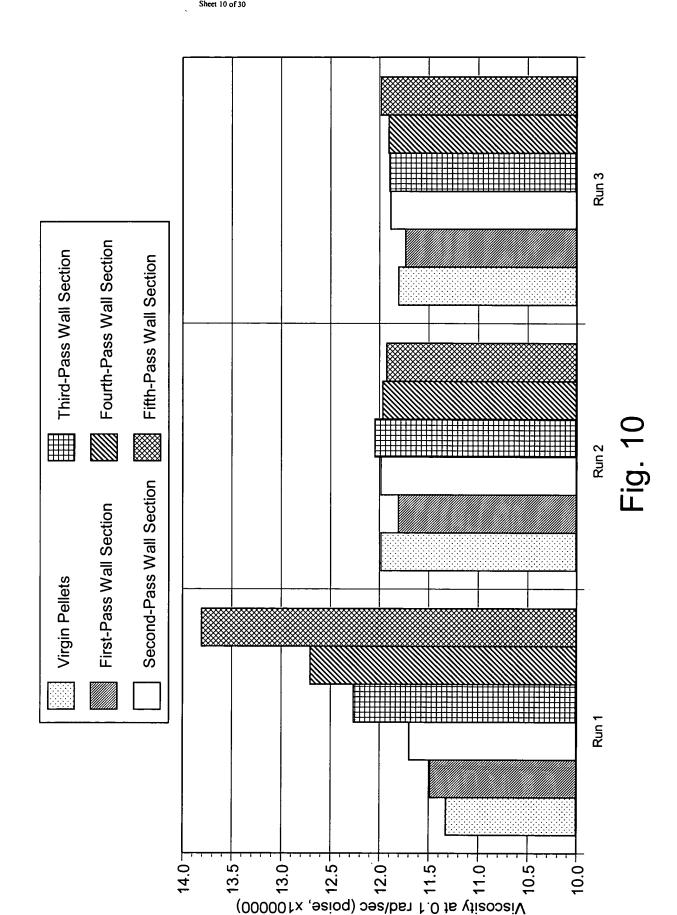
Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John Rathman



Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and Joh

Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John Rathman
Serial No.

Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attorney Docket: 51757-0412 (281684)
Attorney: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 10 of 30

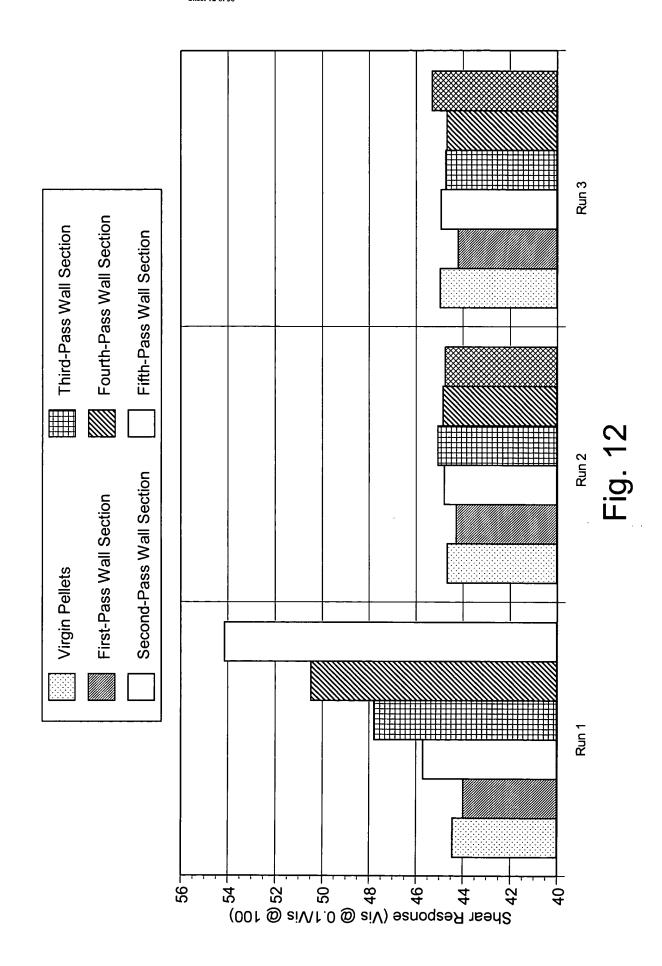


Filed: November 21, 2003 Title: Phosphite Additives in Polyolefins Attorney Docket: 51757-0412 (281684) Attorney. Jeffery B. Arnold Phone: 404.745.2461 Sheet 11 of 30 Fourth-Pass Wall Section Third-Pass Wall Section Fifth-Pass Wall Section Run 2 Fig. 11 Second-Pass Wall Section First-Pass Wall Section Virgin Pellets Run 1 2.70 2.68 2.50 2.52

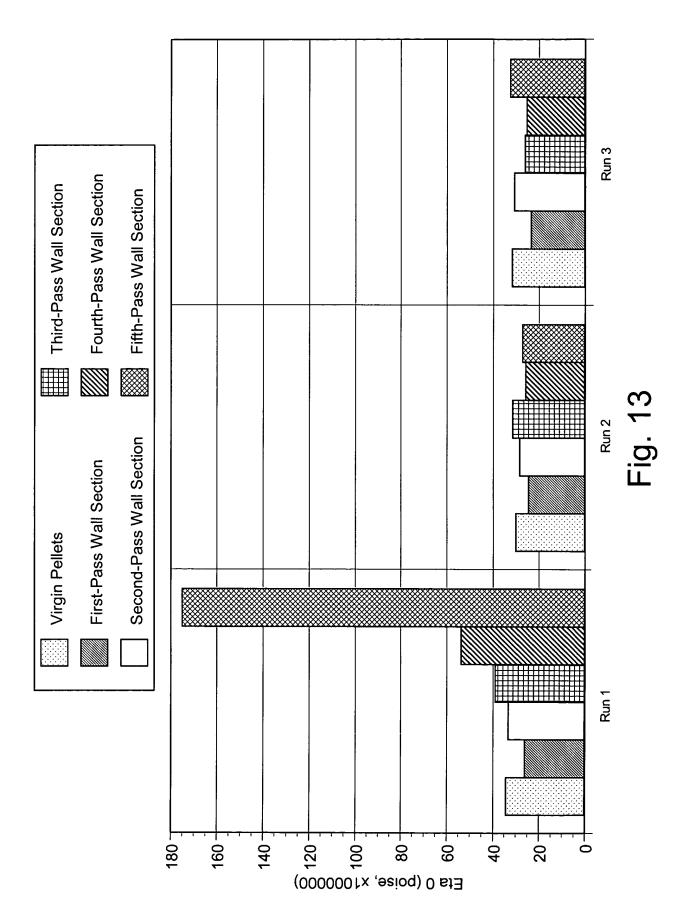
Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John

Rathman

Inventors. Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and Joh Rathman Rathman Serial No. Filed: November 21, 2003 Title: Phosphite Additives in Polyolefins Attomey Docket: 51757-0412 (281684) Attomey: Jeffery B. Armold Phone: 404.745.2461 Sheet 12 of 30



Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John Rathman
Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attorney Docket: 51757-0412 (281684)
Attorney Jeffery B. Arnold
Phone: 404,745,2461
Sheet 13 of 30

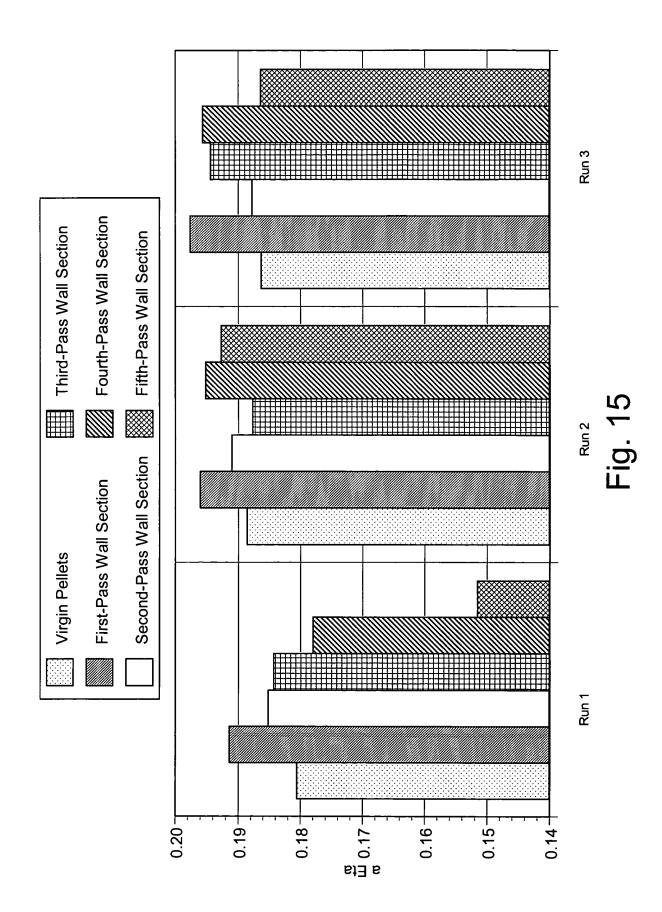


Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attorney Docket: 51757-0412 (281684)
Attorney: Jeffery B. Arnold
Phone: 404.745.2461 Sheet 14 of 30 Run 3 Fourth-Pass Wall Section Third-Pass Wall Section Fifth-Pass Wall Section Fig. 14 Run 2 Second-Pass Wall Section First-Pass Wall Section Virgin Pellets Run 1 100 20-40-8 -09 Tau eta (sec)

Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John

Serial No.

Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and Joh Rathman
Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attorney Docket: 51757-0412 (281684)
Attorney. Jeffery B. Arnold
Phone: 404.745.2461
Sheet 15 of 30



Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attorney Docket: 51757-0412 (281684)
Attorney: Jeffery B. Arnold
Phone: 404,745,2461 Sheet 16 of 30 Run 3 Fourth-Pass Wall Section Third-Pass Wall Section Fifth-Pass Wall Section Fig. 16 Run 2 Second-Pass Wall Section First-Pass Wall Section Virgin Pellets Run 1 360 -380 220 -Mw (x1000) 400 260 340 240

Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John

Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attorney Docket: 51757-0412 (281684)
Attorney: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 17 of 30 Fourth-Pass Wall Section Third-Pass Wall Section Fifth-Pass Wall Section Fig. 17 Run 2 Second-Pass Wall Section First-Pass Wall Section Virgin Pellets Run 1 20-(000 lx) nM 6 18

Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John

Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attorney Docket: 51757-0412 (281684)
Attorney: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 18 of 30 Run 3 Fourth-Pass Wall Section Third-Pass Wall Section Fifth-Pass Wall Section Fig. 18 Run 2 Second-Pass Wall Section First-Pass Wall Section Virgin Pellets Run 1 **≡** 23 – ₋82 25-27 19 7 3

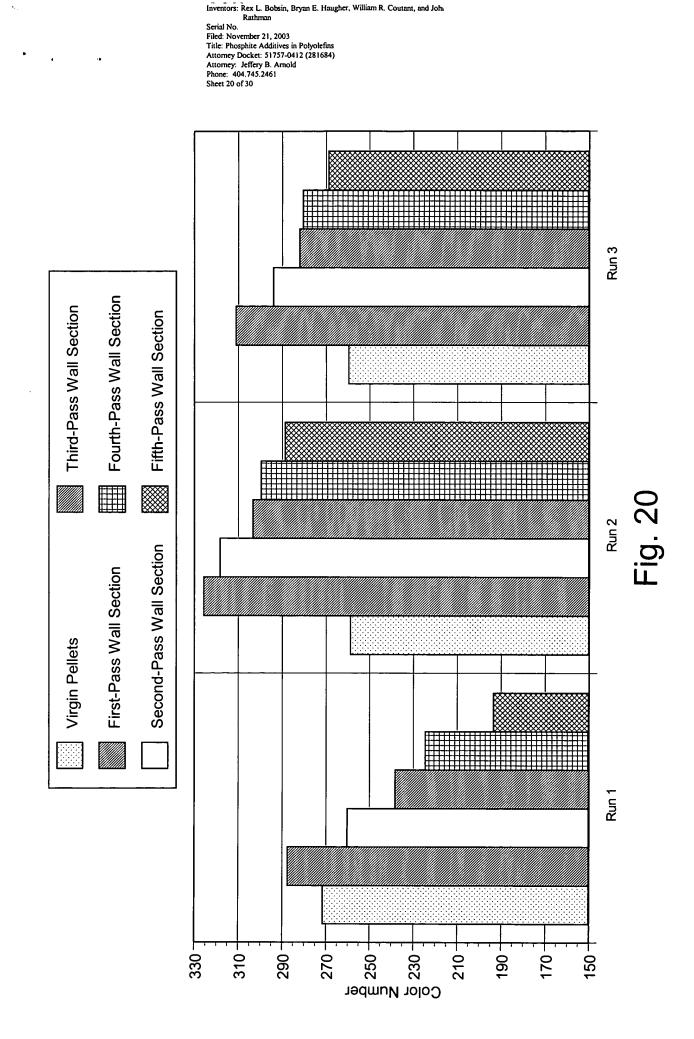
Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and Joh

Rathman

Serial No.

Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John Rathman Rathman
Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attomey Docket: 51757-0412 (281684)
Attomey: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 19 of 30 Fourth-Pass Wall Section Third-Pass Wall Section Fifth-Pass Wall Section Run 2 Fig. 19 Second-Pass Wall Section First-Pass Wall Section Virgin Pellets Run 1

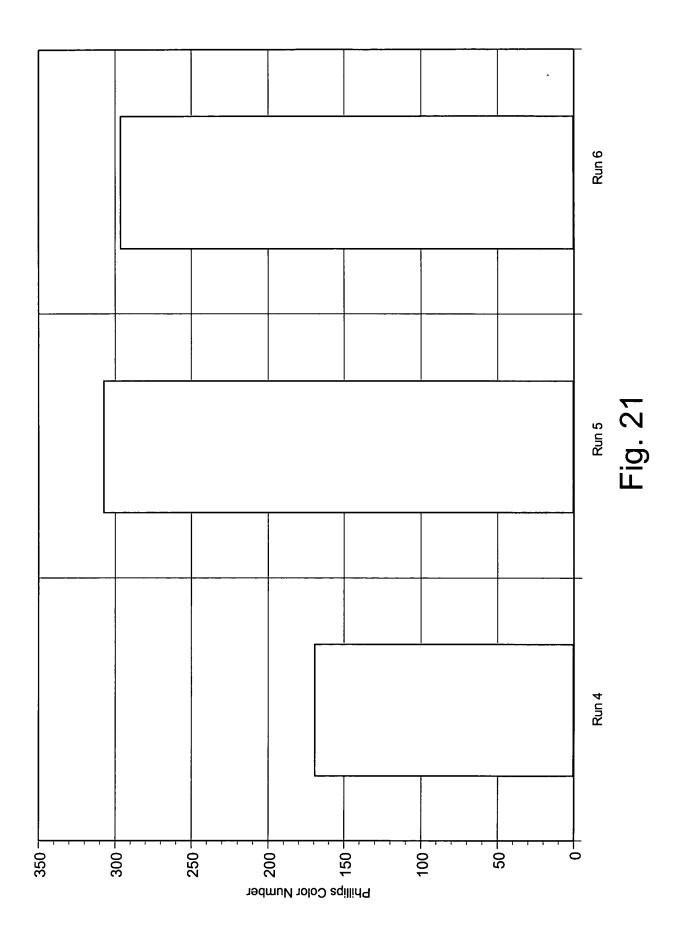
(nim) TIO



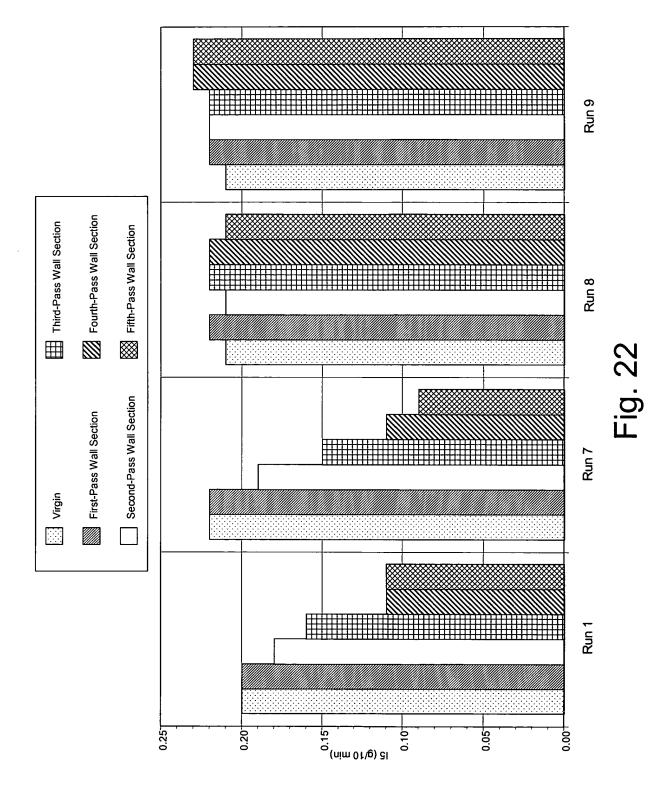
Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and Joh Rathman

Rathman Serial No. Filed: November 21, 2003 Title: Phosphite Additives in Polyolefins Attorney Docket: 51757-0412 (281684) Attorney: Jeffery B. Arnold Phone: 404.745.2461 Sheet 21 of 30

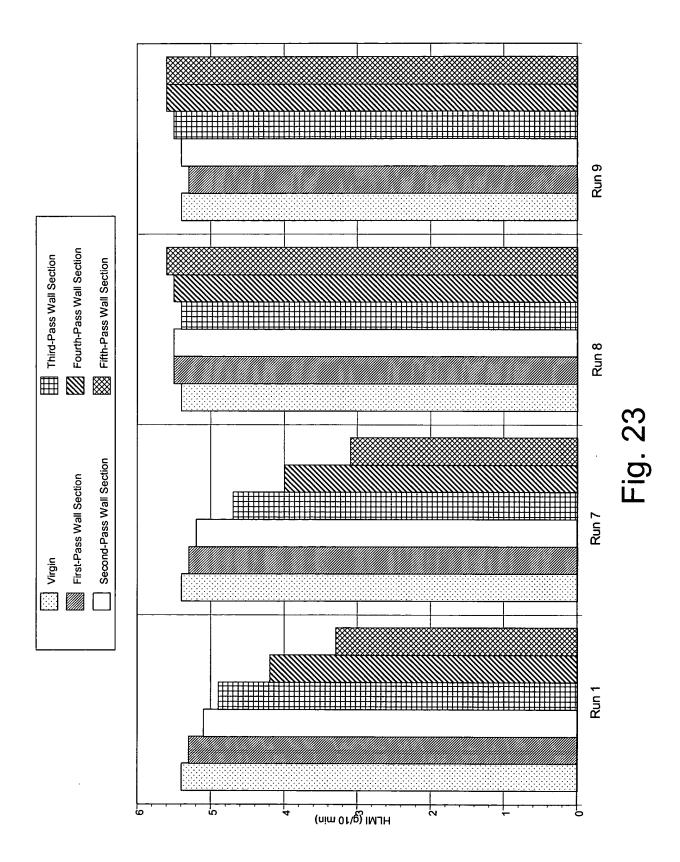




Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John Rathman
Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attorney Docket: 51757-0412 (281684)
Attorney: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 22 of 30



Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John Rathman Serial No. Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attorney Docket: 51757-0412 (281684)
Attorney: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 23 of 30

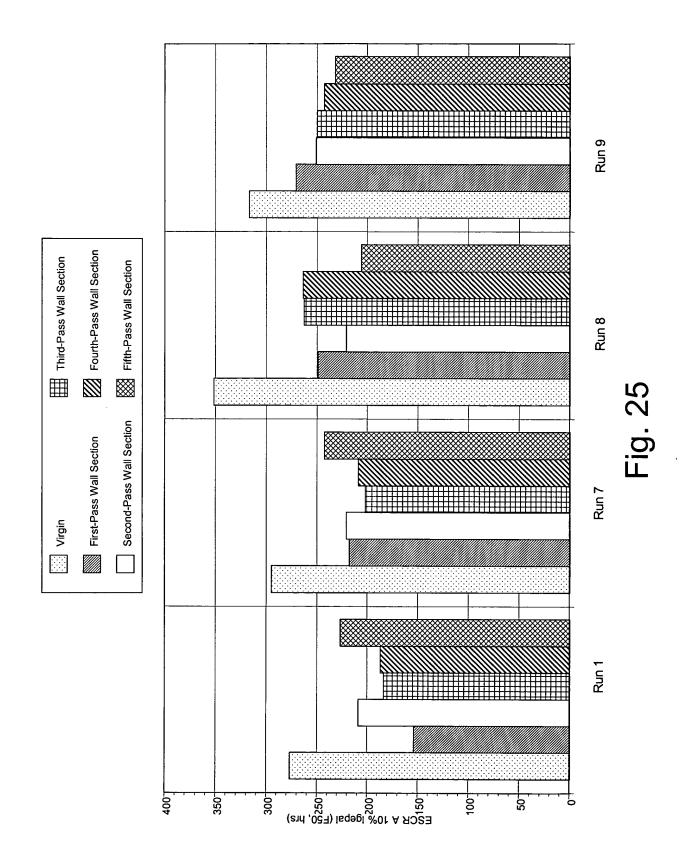


Inventors: Rex L. Bobsin, Bryan c. Haugher, Wilham R. Coutant, and Joh Rathman

Rathman
Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attomey Docket: 51757-0412 (281684)
Attomey: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 24 of 30



Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John Rathman Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attomey Docket: 51757-0412 (281684)
Attomey: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 25 of 30



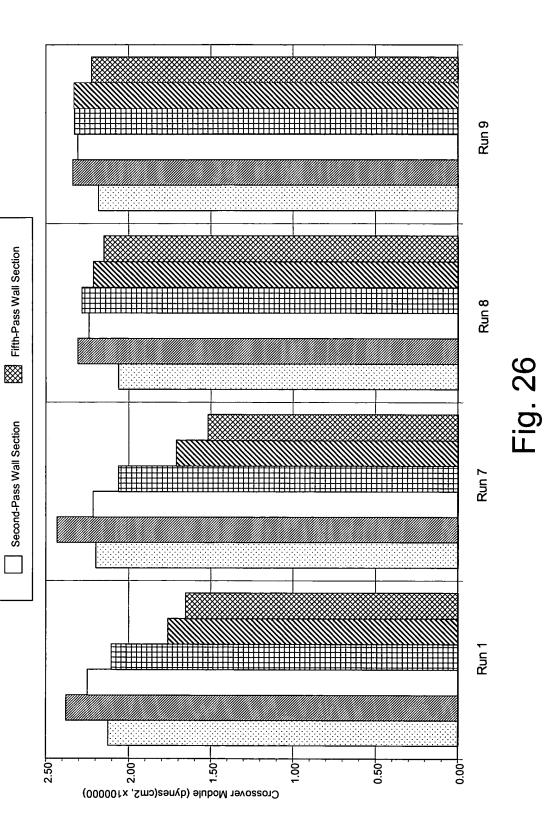
Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John Rathman

Rathman
Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attomey Docket: 51757-0412 (281684)
Attorney: Jeffery B. Arnold
Phone: 404,745,2461
Sheet 26 of 30

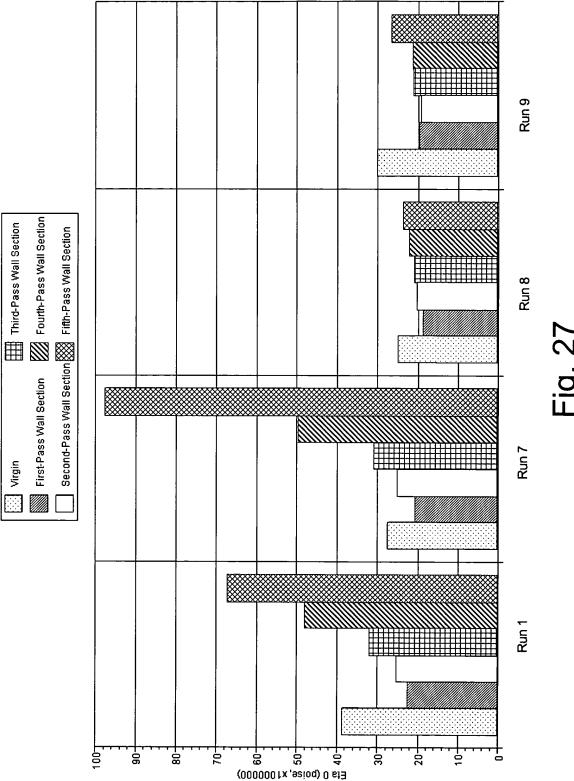
Fourth-Pass Wall Section

First-Pass Wall Section

Third-Pass Wall Section

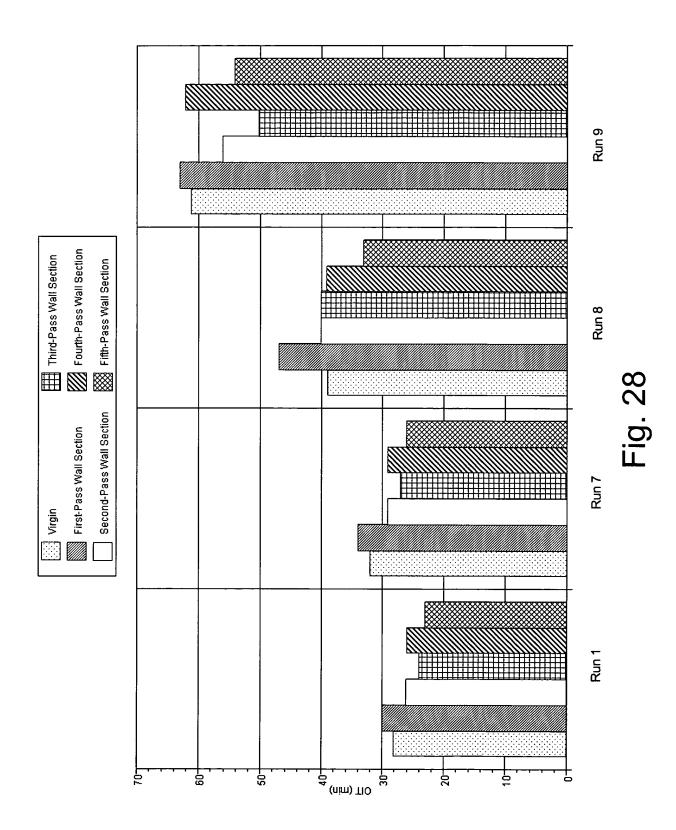


Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and Joh Rathman Rathman
Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attomey Docket: 51757-0412 (281684)
Attomey: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 27 of 30

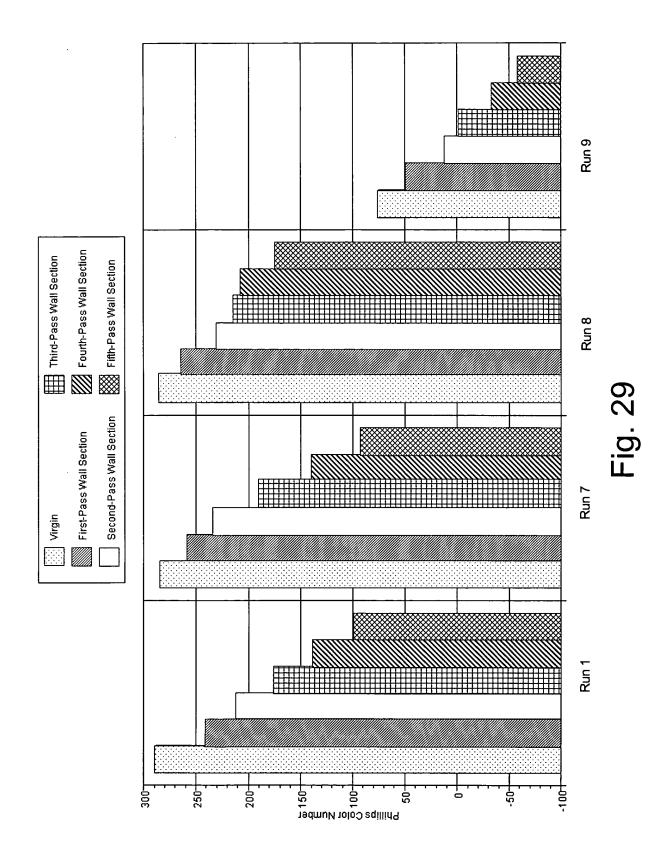


Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John

Rathman
Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attomey Docket: 51757-0412 (281684)
Attomey: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 28 of 30



Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and John Rathman Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins
Attorney Docket: 51757-0412 (281684)
Attorney: Jeffery B. Arnold
Phone: 404.745,2461
Sheet 29 of 30



Inventors: Rex L. Bobsin, Bryan E. Haugher, William R. Coutant, and Joh Rathman

Rathman
Serial No.
Filed: November 21, 2003
Title: Phosphite Additives in Polyolefins Attorney Docket: 51757-0412 (281684)
Attorney: Jeffery B. Arnold
Phone: 404.745.2461
Sheet 30 of 30

